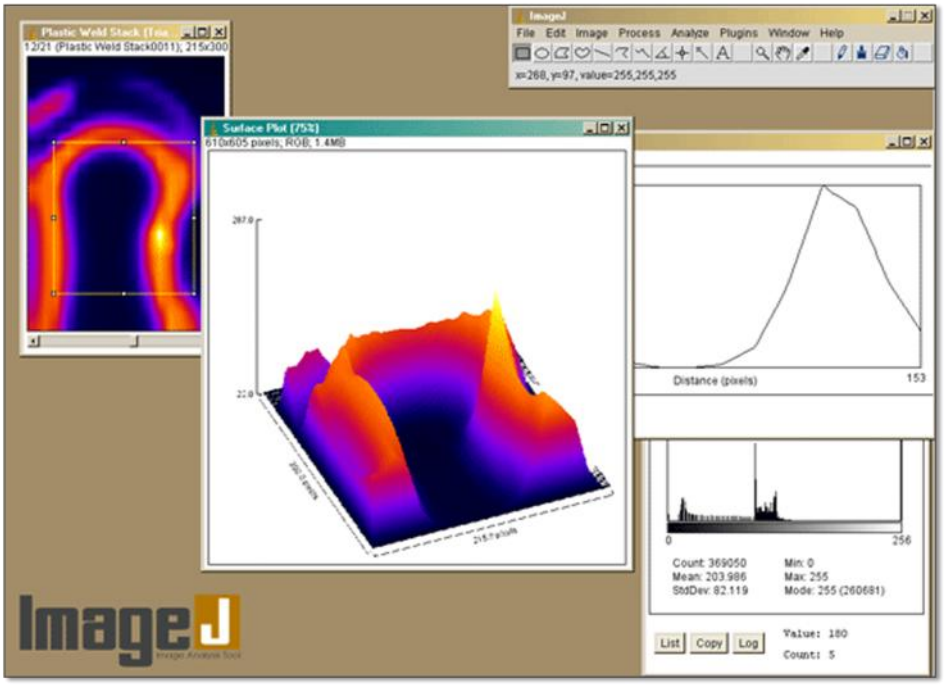
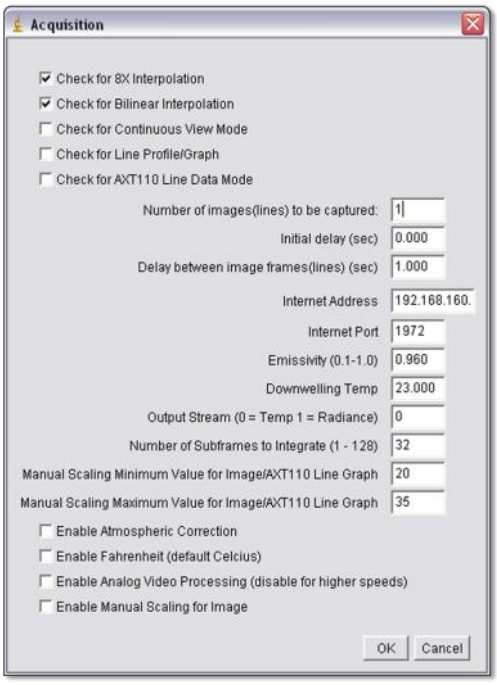
Take Fourier Transforms or Just Make a Movie

ImageJ Image Analysis Tool (Developed by US National Institute of Health)



Above is the NIH ImageJ software in action with data acquired from an AXT100 IR Camera



The interface for the AAS2 ImageJ Plug-In

Get Technical With Superior Image Analysis

ImageJ is a freely distributed Java software tool that can display, edit, analyze, process, save and print 8-bit, 16-bit and 32-bit images. It can read many image formats including TIFF, PNG, GIF, JPEG, BMP, DICOM, FITS as well as raw formats.

ImageJ supports 'image stacks', a series of images that share a single window. This allows for a comparative analysis of each related image.

ImageJ can calculate area and pixel value statistics of user-defined selections and intensity threshold objects. It can measure distances and angles. It can create density histograms and line profile plots. It supports standard image processing functions such as logical and arithmetical operations between images, contrast manipulation, convolution, Fourier analysis, sharpening, smoothing, edge detection and median filtering. It does geometric transformations such as scaling, rotation and flips. The program supports any number of images simultaneously, limited only by available memory. The software is multithreaded so time-consuming operations such as image file reading can be performed in parallel with other tasks.
Source: "ImageJ", Wikipedia.com

For more information on ImageJ or to download visit, http://rsb.info.nih.gov/ij/

Download the AAS2 ImageJ Plug-In at **www.aas2.com/downloads**

Thinking Thermally

All AXT Series Fixed-Mount Cameras have specialized drivers to interface with ImageJ. By incorporating the "AAS2 ImageJ Plug-In" (shown above) within the free ImageJ software, you will be ready to easily capture your real-time thermal data into ImageJ. ImageJ will then be able to analyze a single snapshot, video clip, 'stack' of image shots or numerous different time clips for a more in-depth analysis.

The resulting data set is a stack of thermal data that plays just like a movie clip. You can scale and colorize your stack or select regions of interest and perform operations on them. Graph and chart any data points you wish either specially or through time.

ImageJ also generates AVI movie clips as well as any graph or chart as an image.

ANN ARBOR SENSOR SYSTEMS, LLC
AFFORDABLE THERMAL IMAGING
1995 HIGHLAND DR., SUITE F, ANN ARBOR, MI 48108-1184
PH: 734-389-0184 | FX: 734-468-0244 | sales@aas2.com